

OMS MIX VERIFICATION CHECKLIST

Contractor:	[1]
Plant Site:	[2]
Type Mix:	[3]
JMF No.:	[4]

Date: _____ [5]
Date of Mix Verification: _____ [6]
Date of Last Production of Mix: _____ [7]

REQUIRED DOCUMENTATION FOR VERIFICATION

(Each Checked Item Must Be Attached)

MIX TEST DATA

- | | |
|-------------|--|
| [8] | Binder Content (Attach QA/QC-1) |
| [9] | $P_{0.075} / AC_{eff}$ Ratio (Attach QA/QC-1) |
| [10] | Blended Aggregate Gradation (Attach QA/QC-1) |
| [11] | Superpave Gyratory Test Data (Attach QA/QC-1) |
| [12] | % VTM, % VMA, % VFA (Attach QA/QC-1) |
| [13] | Rice Test (with Dryback, if required) (Attach QA/QC-2) |
| [14] | %G _{mm} @ N _{ini} → (Attach Gyratory printout for N _{des} specimens to QA/QC-1) |
| [15] | Retained Split Sample (Attach Copy of Sample Tag) |

MATERIALS TEST DATA

- | | |
|-------------|---|
| [16] | Aggregate Stockpile Gradations (Check if current and on file at QC Lab) |
| [17] | RAP Gradations & % Binder (Check if current and on file at QC Lab) |
| [18] | Moisture Content (Drum Plant Only, Attach Calculations) |

PLANT CHECKS / CALIBRATIONS

- | | |
|-------------|---|
| [19] | Cold Feed Calibration (Attach Calibration Worksheet) |
| [20] | Plant Scales Check Current (Check if current and on file at QC Lab) |
| [21] | AC Meter Calibration Current (Check if current and on file at QC Lab) |
| [22] | Non-Strip Meter Calibration (If applicable; Check if current and on file at QC Lab) |

** MIX VERIFIED BY

QC Level II Technician: [23]

HiCAMS Certification No: [24]

****APPROVED BY**

[25]

QA Supervisor

*Documentation of all tests and calibrations must be attached to this checklist and provided to the QA Supervisor within 1 working day after beginning production of mix.

***BY PROVIDING THIS DATA UNDER MY SIGNATURE AND/OR HICAMS CERTIFICATION NUMBER, I ATTEST TO THE ACCURACY AND VALIDITY OF THE DATA CONTAINED ON THIS FORM AND CERTIFY THAT NO DELIBERATE MISREPRESENTATION OF TEST RESULTS, IN ANY MANNER, HAS OCCURRED.

QC-11
QMS MIX VERIFICATION CHECKLIST

GENERAL NOTE: This form is a checklist to be used by QC personnel to insure that all mix verification tests, plant checks, and calibrations are performed or current, whichever is applicable. The Contractor's Level II Technician may verify these mix test results for the purpose of beginning production, however documentation of all required tests and calibrations must be attached to or faxed with this checklist to QA Supervisor for review and approval within one working day after beginning production of the mix. Failure by the Contractor to fully comply with these mix verification requirements will result in immediate production stoppage by the Engineer. Normal production of that mix shall not resume until all mix verification sampling and testing, calibrations, and plant inspections have been performed and approved by the Engineer. No test or calibration data is to be shown on the QC-11 form. All data will be shown on the appropriate attached forms. Mix verification shall be performed on all mixes within 45 days prior to beginning mix production. Should a lapse of 45 days or more occur prior to initial production and quality control testing, the mix must be re-verified. Mix obtained from NCDOT or non-NCDOT work may be used for this purpose provided it is sampled, tested, and the test data handled in accordance with current procedures in this manual. If non-NCDOT mix is used for this purpose, the appropriate QA Lab should be notified prior to performing the sampling and testing.

1. Contractor producing mix.
2. Site of plant producing mix.
3. Type mix being verified.
4. Current JMF No. of mix being verified.
5. Date mix verification data submitted to QA Supervisor.
6. Date(s) of actual tests data/calibrations for mix verification.
7. Date of last production of this mix under QMS specification.
8. Check blank indicating that binder content test data is attached.
9. Check blank indicating that $P_{0.075}/P_{be}$ ratio has been computed and shown on QA/QC-1 Form.
10. Check blank indicating that blended aggregate gradation test data is attached.
(May be washed gradation on recovered aggregate from mix.)
11. Check blank indicating that complete Superpave Gyratory test data is attached.
12. Check blank indicating that %VTM, %VMA, and %VFA calculations are attached.
13. Check blank indicating that Rice test data is attached.
(If any aggregate absorption is 1.5% or higher, a dry back must be performed with mix verification.)
14. Check blank indicating that $\%G_{mm} @ N_{ini}$ is attached. The gyratory printouts for N_{des} specimen must be attached to the QA/QC-1 form.
15. Check blank indicating that mix verification sample was split, bagged, and tagged for possible testing by QA. Sample shall be retained for 7 calendar days.
16. Check blank indicating that actual washed stockpile gradations of each material in the mix is current and on file at the QC Lab.
17. Check blank indicating that RAP gradation and Binder Content test data is current and on file and meets [Section 1012](#) of the Standard Specifications, if mix being verified is a recycled mix.
18. Check blank indicating that combined moisture content test data for aggregate is attached. (Drum Plant Only.)
19. Check blank indicating that evidence of actual cold feed calibration, at time of mix verification, is attached.
20. Check blank indicating that batch plant scales check/calibration (aggregate and asphalt) is current within required time frame and is on file.
21. Check blank indicating that drum plant AC meter check/calibration is current within required time frame and on file.
22. Check blank indicating anti-strip additive meter check/calibration is current within required time frame and on file. (Only applicable if plant has anti-strip metering system.)
23. Signature of QC Level II technician verifying that all mix verification tests, plant checks, and calibrations, have been performed and mix test results meet the applicable specification requirements.
24. HiCAMS Certification No. of QC Level II technician verifying and signing the checklist.
25. Signature of QA Supervisor. QA Supervisor must verify that Contractors' mix verification meets all specification requirements and approve those results, calibrations, etc. by signing here. The QA Supervisor will return a copy to QC for their records.